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 PU/553462

INTERNATIONAL SEARCH REPORT

Int. Application No.
 PCT/GB2004/001701

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 601N33/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 601N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, BIOSIS, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ELLIS J ET AL: "Levels of dimethylarginines and cytokines in mild and severe preeclampsia." ACTA OBSTETRICIA ET GYNECOLOGICA SCANDINAVICA. JUL 2001, vol. 80, no. 7, July 2001 (2001-07), pages 602-608, XP002287424 ISSN: 0001-6349 the whole document figure 1	2-6,9-11
X	DE 100 40 904 A (BOEGER RAINER H) 28 February 2002 (2002-02-28) the whole document	2-6,9-11
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *B* document member of the same patent family

Date of the actual completion of the international search

8 July 2004

Date of mailing of the international search report

23/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax (+31-70) 340-3016

Authorized officer

Jenkins, G

INTERNATIONAL SEARCH REPORT

Int'l Application No
PC 1/GB2004/001701

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PETTERSSON ANDERS ET AL: "Increased circulating concentrations of asymmetric dimethyl arginine (ADMA), an endogenous inhibitor of nitric oxide synthesis, in preeclampsia" ACTA OBSTETRICIA ET GYNECOLOGICA SCANDINAVICA, vol. 77, no. 8, September 1998 (1998-09), pages 808-813, XP002287425 ISSN: 0001-6349	2-11
Y	the whole document page 812, column 1, paragraphs 2,5	18-25
Y	DAYOUB H ET AL: "Lessons from a DDAH transgenic mouse: Role of ADMA in regulating NOS activity and blood pressure." EUROPEAN HEART JOURNAL, vol. 23, no. Abstract Supplement, 4 September 2002 (2002-09-04), page 132, XP008032589 & CONGRESS OF THE EUROPEAN SOCIETY OF CARDIOLOGY; BERLIN, GERMANY; AUGUST 31-SEPTEMBER 04, 2002 ISSN: 0195-668X abstract	18-25
X	US 5 811 416 A (CHWALISZ KRISTOF ET AL) 22 September 1998 (1998-09-22) column 8, line 62 - column 9, line 14	16,17
P,X	SAVVIDOU M D ET AL: "Endothelial dysfunction and raised plasma concentrations of asymmetric dimethylarginine in pregnant women who subsequently develop pre-eclampsia" LANCET THE, LANCET LIMITED. LONDON, GB, vol. 361, no. 9368, 3 May 2003 (2003-05-03), pages 1511-1517, XP004423226 ISSN: 0140-6736 the whole document	2-5,7, 9-11,16, 17
P,A	DAYOUB HAYAN ET AL: "Dimethylarginine dimethylaminohydrolase regulates nitric oxide synthesis: Genetic and physiological evidence." CIRCULATION, vol. 108, no. 24, 16 December 2003 (2003-12-16), pages 3042-3047, XP008032592 ISSN: 0009-7322 the whole document	18-25

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INTERNATIONAL SEARCH REPORT

Int. Patent Application No.
PCT/GB2004/001701

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
T	<p>WO 2004/046314 A (UNIV LELAND STANFORD JUNIOR ; LIN KEN YOUNG (US); COOKE JOHN (US)) 3 June 2004 (2004-06-03) the whole document</p>	12, 13

INTERNATIONAL SEARCH REPORT

national application No.
PCT/GB2004/001701

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 1, 14, 15
because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT - Diagnostic method practised on the human or animal body (claim 1) Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy (claims 14, 15)
2. ☒ Claims Nos.: 26
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 1,14,15

Rule 39.1(iv) PCT - Diagnostic method practised on the human or animal body (claim 1)

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy (claims 14;15)

Continuation of Box II.2

Claims Nos.: 26

Present claim 26 relates to compounds defined by reference to a desirable characteristic or property, namely that they are useful for preventing or treating pre-eclampsia or preventing or treating IUGR in non-human animal models. The claims cover all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and disclosure within the meaning of Article 5 PCT for only a very limited number of such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compounds by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, no search has been carried out for said claim.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 10040904	A	28-02-2002	DE 10040904 A1	28-02-2002
			AU 8753301 A	25-02-2002
			WO 0214873 A2	21-02-2002
			EP 1354205 A2	22-10-2003
US 5811416	A	22-09-1998	AU 4243396 A	29-11-1996
			CA 2220677 A1	14-11-1996
			EP 0844884 A2	03-06-1998
			FI 974173 A	07-01-1998
			NO 975128 A	07-01-1998
			WO 9635453 A2	14-11-1996
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